SOUDAL

Technical Data Sheet

MS-30PLUS PARQUET ADHESIVE

Product:
MS-30PLUS is a solvent, and water-free universal parquet adhesive.
Suitable for bonding many types of parquet floors onto suitable indoor substrates.

Technical data:

Base	Polymer
Curing system	Chemical curing
Consistency Colour Specific gravity (DIN 53479) Brookfield viscosity (mPa.s) Open time at 21°C and 50% RH Adjustability time at 21°C and 50% RH Set to load bearing Sanding/finishing	Paste Pale brown Approx. 1,72 g/cm³ Approx. 72.000 (HBT A/10) Approx. 25 - 30 minutes Approx. 25 - 30 minutes min. 3 hrs. min. 16 hrs.
Shear strength (EN14293) wood/wood	> 2N/mm²
Temperature resistance	-40°C to +90°C (cured)
Durability against ageing	Good
Total solids content	100% (solvent free)
Application rate	Depending on the subfloor 800 – 1200 g/m² by use of the SOUDAL-notched trowel for parquet

* This varies according to ambient conditions such as temperature, humidity, substrate etc.

Characteristics:
- Remains permanently elastic
- EC-1R PLUS label: very low emission
- Ready to use, single component
- Solvent free
- Contains no water
- Free of isocyanates
- Easy to apply
- Forms stable peaks once applied by a notched trowel or spreader comb
- Rapid cure and build up of final bond strength
- High final bond strength (according to EN14293)
- Suitable for underfloor heating
- Avoids staining of the hands

Applications:
MS-30PLUS is a solvent, and water-free universal parquet adhesive based upon polymers. Suitable for indoor bonding of all types of wooden floors such as solid, stab, pre-finished, and on-end parquet, wood-plank, wood-block and laminates.

Suitable for use on porous and non-porous substrates such as mosaic, anhydrite, concrete, screeds, wood, chipboard and OSB Board (large particle size chipboard) , including floors with underfloor heating.

MS-30PLUS is also extremely suitable for bonding moisture sensitive wood onto moderately porous surfaces.

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Description:
MS-30PLUS cures by means of a chemical reaction within the adhesive. Once fully cured (approx. 24 hrs. at 21°C and 50% RH) an elastic and non-shrinkable adhesive layer is formed, which is resistant to moisture and heat. The adhesive has excellent adhesion to most common substrates used in the construction industry.
MS-30PLUS contains no water or solvents, minimising the risk of deforming the parquet to a minimum.

Packaging:
Colour: light brown
Packaging: PE bucket 6kg, PE bucket 16kg, 3 alu-bags in a plastic bucket (3 x 6 kg = 18kg).
Separate packaging permits flexibility in use.

Shelf-life:
- PE bucket 16kg at least 9 months in unopened packaging in a cool and dry storage at temperatures between +5°C and +25°C
- PE bucket with alu-bag (6kg), 3 alu-bags in a plastic bucket (3 x 6 kg = 18kg)
  at least 12 months in unopened packaging in a cool and dry storage at temperatures between +5°C and +25°C

Substrate:
Before installation of the parquet, the substrate should be checked to ensure it is suitable. Check the moisture content throughout the entire thickness of the substrate with a carbide or electric hygrometer.

The moisture content must be as recommended by the flooring manufacturer
(generally max. 2% for sand cement substrates and max. 0,5% for anhydrite, measured with a carbide hygrometer. For substrates with underfloor heating the values are resp. max. 1,5% and 0,3%)

MS-30PLUS should be applied to an even, dry, clean and smooth substrate, which is free from irregularities and cracks. Rests of old adhesives may affect the adhesion and must be removed mechanically. Loose or damaged surfaces must be repaired before the application of the adhesive.

Powdery surface can be treated (after consulting our technical service) with **Soudal WBPR-21 Deep Primer.**
Very porous surfaces can be treated (after consulting our technical service) with **Soudal WBPR-11 Surface Primer.**
Subfloors with a higher moisture content than described above can be treated (after consulting our technical service) with **Soudal EPR-31P.**

Smooth surfaces like anhydrite should be roughened and disposed of the top layer. Sanded subfloor must be vacuum cleaned with an industrial vacuum cleaner.

When installing a parquet floor on top of marble, terrazzo or ceramic tiles they must be first cleaned with caustic soda or another suitable cleaner. Once cleaned, rinse the tiles thoroughly with plenty of clean water. Ensure the floor is completely dry before applying MS-30PLUS.

A preliminary compatibility test is recommended on every surface.

Parquet:

Maximum dimension parquet	max. width x min. thickness (mm x mm)
solid	180 x 15 200 x 20 (*)
engineered	240 x 15

(*) *Report FCBA N°404/13/298, tested according NF B 54 008 at oak*

The parquet flooring must be acclimatised for several days in the area where it is to be installed. Leave the parquet in its original packaging until installation to avoid any deformation.

Check before installation that the moisture content of the wood is as recommended by the supplier, (generally 9% +/- 2%). If the humidity of the wood is more than 11% installation is not recommended

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Allow a gap of 1 to 1,5 cm around the perimeter of the laid parquet, including any columns or structures, which penetrate the floor.

Applying the adhesive:
MS-30PLUS should be acclimatised to room temperature before installation. Apply the adhesive to the surface by means of notched **SOUDAL** trowel N°11. For parquet sizes smaller than 60mm wide and 300mm long notched **SOUDAL** trowel N°3 is recommended. Do not apply more to the surface than can be covered with parquet within 30 minutes. Slide the parquet onto the adhesive layer and tap into place or tamp down with a rubber hammer.

A minimum of 80% contact coverage is required to ensure a perfect adhesion. Loading the parquet with weights will improve the final bond strength. Wait at least 16 hrs. before sanding and finishing the parquet.

Uncured MS-30PLUSmay be removed from tools and parquet with SOUDAL Adhesive cleaner. Cured adhesive must be removed mechanically.

Health- and safety recommendations:
Apply the usual industrial hygiene precautions. Consult the label for more information.

Recommendations:

- Never install flooring on subfloors, which are not protected against possible rising damp.
- Do not apply the adhesive at temperatures below 15°C or above 25°C
- Minimum temperature of the substrate should be at least 15°C.
- Do not apply the adhesive when the relative humidity is above 75%.
- Never install flooring on a substrate which contains too much moisture or on substrates with a higher humidity value than recommended by the wood supplier.
- Never install wood which is too dry (<7% humidity). This can expand at higher humidity or when the humidity rises and cause damage.
- Do not install flooring if the walls and ceilings in the area are not dry (e.g. after plastering or painting etc.)
- When placing parquet onto floor cooling the minimum water temperature must not fall below 18°C. This to prevent condensation on top of the parquet
- Do not dilute the adhesive.